

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SED-04-0-2MSD
Lab Sample ID: Q3323-04MSD
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.02 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/13/25

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 70.2
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1600		1	220	470	ug/Kg	10/13/25 17:03	PB170067
108-95-2	Phenol	2400		1	31.5	240	ug/Kg	10/13/25 17:03	PB170067
111-44-4	bis(2-Chloroethyl)ether	2400		1	34.6	240	ug/Kg	10/13/25 17:03	PB170067
95-57-8	2-Chlorophenol	2400		1	34.7	240	ug/Kg	10/13/25 17:03	PB170067
95-48-7	2-Methylphenol	2400		1	42.6	240	ug/Kg	10/13/25 17:03	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	2500		1	53.4	240	ug/Kg	10/13/25 17:03	PB170067
98-86-2	Acetophenone	2600		1	42.0	240	ug/Kg	10/13/25 17:03	PB170067
65794-96-9	3+4-Methylphenols	2300		1	58.5	470	ug/Kg	10/13/25 17:03	PB170067
621-64-7	n-Nitroso-di-n-propylamine	2200		1	67.5	110	ug/Kg	10/13/25 17:03	PB170067
67-72-1	Hexachloroethane	2400		1	25.1	240	ug/Kg	10/13/25 17:03	PB170067
98-95-3	Nitrobenzene	2500		1	26.1	240	ug/Kg	10/13/25 17:03	PB170067
78-59-1	Isophorone	2300		1	46.7	240	ug/Kg	10/13/25 17:03	PB170067
88-75-5	2-Nitrophenol	2800		1	82.9	240	ug/Kg	10/13/25 17:03	PB170067
105-67-9	2,4-Dimethylphenol	2600		1	92.2	240	ug/Kg	10/13/25 17:03	PB170067
111-91-1	bis(2-Chloroethoxy)methane	2400		1	43.8	240	ug/Kg	10/13/25 17:03	PB170067
120-83-2	2,4-Dichlorophenol	2300		1	40.3	240	ug/Kg	10/13/25 17:03	PB170067
91-20-3	Naphthalene	2300		1	32.3	240	ug/Kg	10/13/25 17:03	PB170067
106-47-8	4-Chloroaniline	1100		1	50.4	240	ug/Kg	10/13/25 17:03	PB170067
87-68-3	Hexachlorobutadiene	2300		1	36.0	240	ug/Kg	10/13/25 17:03	PB170067
105-60-2	Caprolactam	2400		1	74.2	470	ug/Kg	10/13/25 17:03	PB170067
59-50-7	4-Chloro-3-methylphenol	2300		1	40.9	240	ug/Kg	10/13/25 17:03	PB170067
91-57-6	2-Methylnaphthalene	2100		1	36.4	240	ug/Kg	10/13/25 17:03	PB170067
77-47-4	Hexachlorocyclopentadiene	5300	E	1	170	470	ug/Kg	10/13/25 17:03	PB170067
88-06-2	2,4,6-Trichlorophenol	2300		1	28.2	240	ug/Kg	10/13/25 17:03	PB170067
95-95-4	2,4,5-Trichlorophenol	2300		1	41.4	240	ug/Kg	10/13/25 17:03	PB170067
92-52-4	1,1-Biphenyl	2500		1	31.0	240	ug/Kg	10/13/25 17:03	PB170067
91-58-7	2-Chloronaphthalene	2300		1	32.0	240	ug/Kg	10/13/25 17:03	PB170067
88-74-4	2-Nitroaniline	2500		1	68.5	240	ug/Kg	10/13/25 17:03	PB170067
131-11-3	Dimethylphthalate	2300		1	38.6	240	ug/Kg	10/13/25 17:03	PB170067
208-96-8	Acenaphthylene	2600		1	41.1	240	ug/Kg	10/13/25 17:03	PB170067
606-20-2	2,6-Dinitrotoluene	2800		1	47.8	240	ug/Kg	10/13/25 17:03	PB170067
99-09-2	3-Nitroaniline	1600		1	65.5	240	ug/Kg	10/13/25 17:03	PB170067
83-32-9	Acenaphthene	2400		1	30.3	240	ug/Kg	10/13/25 17:03	PB170067
51-28-5	2,4-Dinitrophenol	4000	E	1	330	470	ug/Kg	10/13/25 17:03	PB170067
100-02-7	4-Nitrophenol	4400	E	1	150	470	ug/Kg	10/13/25 17:03	PB170067
132-64-9	Dibenzofuran	2200		1	32.3	240	ug/Kg	10/13/25 17:03	PB170067
121-14-2	2,4-Dinitrotoluene	2600		1	71.3	240	ug/Kg	10/13/25 17:03	PB170067
84-66-2	Diethylphthalate	2200		1	40.3	240	ug/Kg	10/13/25 17:03	PB170067
7005-72-3	4-Chlorophenyl-phenylether	2200		1	38.0	240	ug/Kg	10/13/25 17:03	PB170067
86-73-7	Fluorene	2200		1	36.0	240	ug/Kg	10/13/25 17:03	PB170067
100-01-6	4-Nitroaniline	2200		1	91.4	240	ug/Kg	10/13/25 17:03	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	2800		1	150	470	ug/Kg	10/13/25 17:03	PB170067

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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	2500		1	46.8	240	ug/Kg	10/13/25 17:03	PB170067
101-55-3	4-Bromophenyl-phenylether	2400		1	39.6	240	ug/Kg	10/13/25 17:03	PB170067
118-74-1	Hexachlorobenzene	2300		1	36.0	240	ug/Kg	10/13/25 17:03	PB170067
1912-24-9	Atrazine	2500		1	48.4	240	ug/Kg	10/13/25 17:03	PB170067
87-86-5	Pentachlorophenol	4300	E	1	73.0	470	ug/Kg	10/13/25 17:03	PB170067
85-01-8	Phenanthrene	2400		1	29.8	240	ug/Kg	10/13/25 17:03	PB170067
120-12-7	Anthracene	2300		1	47.4	240	ug/Kg	10/13/25 17:03	PB170067
86-74-8	Carbazole	2300		1	44.4	240	ug/Kg	10/13/25 17:03	PB170067
84-74-2	Di-n-butylphthalate	2400		1	68.2	240	ug/Kg	10/13/25 17:03	PB170067
206-44-0	Fluoranthene	2200		1	42.7	240	ug/Kg	10/13/25 17:03	PB170067
129-00-0	Pyrene	2000		1	51.2	240	ug/Kg	10/13/25 17:03	PB170067
85-68-7	Butylbenzylphthalate	2400		1	100	240	ug/Kg	10/13/25 17:03	PB170067
91-94-1	3,3-Dichlorobenzidine	1800		1	52.2	470	ug/Kg	10/13/25 17:03	PB170067
56-55-3	Benzo(a)anthracene	2500		1	32.7	240	ug/Kg	10/13/25 17:03	PB170067
218-01-9	Chrysene	2400		1	28.3	240	ug/Kg	10/13/25 17:03	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	2700		1	84.3	240	ug/Kg	10/13/25 17:03	PB170067
117-84-0	Di-n-octyl phthalate	3200		1	120	470	ug/Kg	10/13/25 17:03	PB170067
205-99-2	Benzo(b)fluoranthene	2200		1	27.0	240	ug/Kg	10/13/25 17:03	PB170067
207-08-9	Benzo(k)fluoranthene	2400		1	31.9	240	ug/Kg	10/13/25 17:03	PB170067
50-32-8	Benzo(a)pyrene	2600		1	42.0	240	ug/Kg	10/13/25 17:03	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	2500		1	41.4	240	ug/Kg	10/13/25 17:03	PB170067
53-70-3	Dibenzo(a,h)anthracene	2500		1	39.0	240	ug/Kg	10/13/25 17:03	PB170067
191-24-2	Benzo(g,h,i)perylene	2500		1	36.6	240	ug/Kg	10/13/25 17:03	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	2500		1	36.4	240	ug/Kg	10/13/25 17:03	PB170067
123-91-1	1,4-Dioxane	2400		1	64.3	240	ug/Kg	10/13/25 17:03	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	2300		1	39.0	240	ug/Kg	10/13/25 17:03	PB170067

SURROGATES

367-12-4	2-Fluorophenol	83.4		18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	83.9		15 - 107	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.0		18 - 107	54%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.1		20 - 109	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	71.4		10 - 116	48%	SPK: 150
1718-51-0	Terphenyl-d14	37.1		10 - 105	37%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	103000
1146-65-2	Naphthalene-d8	399000
15067-26-2	Acenaphthene-d10	212000
1517-22-2	Phenanthrene-d10	318000
1719-03-5	Chrysene-d12	214000
1520-96-3	Perylene-d12	283000

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Analytical Method:	8270E	% Solid:	70.2
	Level : LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.02 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products